

CDCP1 (Phospho Tyr743) rabbit pAb

Catalog No :	YP1298
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	CDCP1
Gene Name :	CDCP1 TRASK UNQ2486/PRO5773
Protein Name :	CDCP1 (Tyr743)
Human Gene Id :	64866
Human Swiss Prot No :	Q9H5V8
Mouse Gene Id :	109332
Mouse Swiss Prot No :	Q5U462
Immunogen :	Synthesized phosho peptide around human CDCP1 (Tyr743)
Specificity :	This antibody detects endogenous levels of Human CDCP1 (phospho-Tyr743)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 95kD

Background : This gene encodes a transmembrane protein which contains three extracellular CUB domains and acts as a substrate for Src family kinases. The protein plays a role in the tyrosine phosphorylation-dependent regulation of cellular events that are involved in tumor invasion and metastasis. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013],

Function : function:May be involved in cell adhesion and cell matrix association. May play a role in the regulation of anchorage versus migration or proliferation versus differentiation via its phosphorylation. May be a novel marker for leukemia diagnosis and for immature hematopoietic stem cell subsets. Belongs to the tetraspanin web involved in tumor progression and metastasis.,PTM:A soluble form may also be produced by proteolytic cleavage at the cell surface (shedding). Another peptide of 80 kDa (p80) is present in cultured keratinocytes probably due to tryptic cleavage at an unidentified site on its N-terminal side. Converted to p80 by plasmin, a trypsin-like protease.,PTM:N-glycosylated.,PTM:Phosphorylated on tyrosine by kinases of the SRC family such as SRC and YES as well as by the protein kinase C gamma/PRKCG. Dephosphorylated by phosphotyrosine phosphatases. Also phosphorylated by suramin

Subcellular Location : [Isoform 1]: Cell membrane ; Single-pass membrane protein . Shedding may also lead to a soluble peptide.; [Isoform 3]: Secreted.

Expression : Highly expressed in mitotic cells with low expression during interphase. Detected at highest levels in skeletal muscle and colon with lower levels in kidney, small intestine, placenta and lung. Up-regulated in a number of human tumor cell lines, as well as in colorectal cancer, breast carcinoma and lung cancer. Also expressed in cells with phenotypes reminiscent of mesenchymal stem cells and neural stem cells.

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